## REAL TIME OBJECT LOCALIZATION AND RECOGNITION FROM SILHOUETTE IMAGES

## Abstract of the Invention

The present invention provides a method for detecting an object. The method includes capturing a binary image of the object, and determining a projection of the binary image to a first axis. The method further includes determining a difference

between a profile of a target object to the first axis and the projection at a plurality of positions along the first axis, and detecting the object by determining if the difference between the profile and the projection is less than a threshold at one of the plurality of positions.